

CLAIMS

1 1. In an investment guidance system, a method for rating assets, comprising:
2 receiving a request to rate a plurality of said assets;
3 providing two or more criteria associated with said assets
4 for a user to evaluate;
5 receiving a relative weight of importance for said two or
6 more criteria based on the user's personal investment preferences; and
7 determining a rating for each asset based on the relative
8 weights assigned to said two or more criteria.

1 2. The method of claim 1, further comprising ranking plurality of said assets
2 based on said rating.

1 3. The method of claim 2, further comprising providing a list of the ranked
2 assets.

1 4. The method of claim 1, wherein said criteria are measured by one or more
2 statistical parameters.

1 5. The method of claim 2, further comprising:
2 receiving a request to execute a trade for one or more of the
3 ranked assets; and
4 executing said trade for one or more of the ranked assets.

1 6. The method of claim 1, wherein said assets are mutual funds.
1 7. The method of claim 1, wherein said assets are stocks.

- 1 8. The method of claim 1, wherein said assets are bonds.
- 1 9. The method of claim 1, wherein said assets are securities.
- 1 10. The method of claim 1, wherein said assets are categorized by a class.
- 1 11. The method of claim 10, wherein said asset class is at least one of U.S.
2 equities, international equities, fixed income, or any sub-asset class thereof, real estate, precious
3 metals and cash.
- 1 12. The method of claim 1, wherein one of said criteria is tax efficiency.
- 1 13. The method of claim 1, wherein one of said criteria is consistent returns.
- 1 14. The method of claim 1, wherein one of said criteria is stock/bond picking
2 ability.
- 1 15. The method of claim 1, wherein one of said criteria is low risk.
- 1 16. The method of claim 1, wherein one of said criteria is consistent
2 investment style.
- 1 17. The method of claim 1, wherein one of said criteria is low fees.
- 1 18. The method of claim 1, further comprising providing an input mechanism
2 for receiving the relative weight of importance for said asset criteria.
- 1 19. The method of claim 18, wherein one or more of the input mechanisms are
2 slider bars.
- 1 20. The method of claim 18, wherein one or more of the input mechanisms are
2 text boxes.

22. The method of claim 21, further comprising receiving a ranking of the said assets based on said rating.

1 23. The method of claim 22, further comprising transmitting a request to
2 execute a trade for one or more of the ranked assets.

24. The method of claim 21, further comprising using an input mechanism for transmitting the relative weight of importance for said asset criteria.

1 25. The method of claim 24, wherein one or more of the input mechanisms are
2 graphical input devices.

1 26. The method of claim 21, wherein said assets are mutual funds.

1 27. The method of claim 21, wherein said assets are stocks.

1 28. The method of claim 21, wherein said assets are bonds.

1 29. The method of claim 21, wherein said assets are securities

1 29. The method of claim 21, wherein said assets are securities.

1 30. The method of claim 21, wherein said assets are categorized by a class.

1 31. The method of claim 30, wherein said asset class is at least one of U.S.
2 equities, international equities, fixed income, or any sub-asset class thereof, real estate, precious
3 metals and cash.

1 32. In an investment guidance system, a method for providing financial
2 planning assistance, comprising:

3 receiving a financial goal from a user;

4 receiving one or more input decisions upon which the

5 probability of achieving said financial goal is dependent, wherein one of the input
6 decisions includes selecting an asset allocation based on investment risk;

7 determining the probability of achieving said financial

8 goal;

9 receiving an indication that said user has selected a target

10 asset allocation investment plan in order to achieve said financial goal;

11 receiving a request to rate a plurality of assets within a

12 selected asset class;

13 providing two or more criteria associated with said assets

14 for said user to evaluate;

15 receiving a relative weight of importance for said two or

16 more criteria based on the user's personal investment preferences;

17 determining a rating for each asset based on the relative

18 weights assigned to said two or more criteria;

19 ranking plurality of said assets based on said rating;
20 receiving a request to execute a trade for one or more of the
21 ranked assets in order to fulfill said target asset allocation investment plan; and
22 executing said trade for one or more of the selected ranked
23 assets.

1 33. The method of claim 32, further comprising reallocating asset distribution
2 in a user's portfolio based on executed trades.

1 34. The method of claim 32, further comprising receiving additional requests
2 to execute said trade for one of the ranked assets in order to fulfill said target asset allocation
3 investment plan.

1 35. The method of claim 32, further comprising:
2 evaluating said target asset allocation investment plan
3 against one or more financial goals;
4 alerting the user if progress towards one or more financial
5 goals deviates substantially .

1 36. The method of claim 32, wherein said financial goal is a retirement
2 income goal.

1 37. The method of claim 32, wherein one of said input decisions upon which
2 the probability of achieving said financial goal is dependent is a 401(k) contribution rate.

1 38. The method of claim 32, wherein one of said input decisions upon which
2 the probability of achieving said financial goal is dependent is a taxable savings rate.

1 39. The method of claim 32, wherein one of said input decisions upon which
2 the probability of achieving said financial goal is dependent is the income required at retirement.

1 40. The method of claim 32, wherein one of said input decisions upon which
2 the probability of achieving said financial goal is dependent is an anticipated retirement age.

1 41. In an investment guidance system, a method for rating assets, comprising:

2 receiving a request to rate a plurality of said assets;

3 providing two or more criteria associated with said assets

4 for a user to evaluate;

5 receiving a relative weight of importance for said two or

6 more criteria based on the user's personal investment preferences;

7 determining a rating for each asset based on the relative

8 weights assigned to said two or more criteria;

9 ranking plurality of said assets based on said rating;

10 receiving a request to execute a trade for one or more of the

11 ranked assets; and

12 executing said trade for one or more of the ranked assets.

1 42. An investment guidance system for rating assets for Internet users, said

2 system comprising:

3 a memory for storing asset information;

4 a processor connected to said memory;

5 a transmitter connected to said processor to enable

6 processor to transmit information to a user system by means of the Internet; and

7 a receiver connected to said processor to allow said
8 processor to receive information from the user system by means of the Internet;
9 wherein said processor receives a request to rate a plurality
10 of said assets;
11 wherein said processor transmits two or more criteria
12 associated with said assets for a user to evaluate;
13 wherein said processor receives in connection with user
14 processors, a relative weight of importance for said two or more criteria based on
15 the user's personal investment preferences; and
16 wherein said processor determines a rating for each asset
17 based on the relative weights assigned to said two or more criteria.

1 43. The system of claim 42, wherein said processor ranks plurality of said
2 assets based on said rating.

1 44. The system of claim 43, wherein said processor provides a list of the
2 ranked assets.

1 45. An investment guidance system for rating assets for Internet users, said
2 system comprising:
3 a memory for storing asset information;
4 a processor connected to said memory;
5 a transmitter connected to said processor to enable
6 processor to transmit information from a user system by means of the Internet;
7 and

8 a receiver connected to said processor to allow said
9 processor to receive information from the investment guidance system by means
10 of the Internet;

11 wherein said processor transmits a request to rate a
12 plurality of said assets;

13 wherein said processor receives two or more criteria
14 associated with said assets for evaluation; and

15 wherein said processor receives a rating for each asset
16 based on the relative weights assigned to said two or more criteria.

1 46. The system of claim 45, wherein said processor receives a ranking of the
2 plurality of said assets based on said rating.

1 47. The system of claim 45, wherein said processor transmits a request to
2 execute a trade for one or more of the ranked assets.

1 48. An investment guidance system for providing financial planning
2 assistance for Internet users, said system comprising:

3 a memory for storing asset information;

4 a processor connected to said memory;

5 a transmitter connected to said processor to enable

6 processor to transmit information to a user system by means of the Internet; and

7 a receiver connected to said processor to allow said

8 processor to receive information from a user system by means of the Internet;

9 wherein said processor receives a financial goal from a
10 user;

11 wherein said processor receives one or more input
12 decisions upon which the probability of achieving said financial goal is
13 dependent, wherein one of the input decisions includes selecting an asset
14 allocation based on investment risk;

15 wherein said processor determines the probability of
16 achieving said financial goal;

17 wherein said processor receives an indication that said user
18 has selected a target asset allocation investment plan in order to achieve said
19 financial goal;

20 wherein said processor receives a request to rate a plurality
21 of assets within a selected asset class;

22 wherein said processor provides two or more criteria
23 associated with said assets for said user to evaluate;

24 wherein said processor receives a relative weight of
25 importance for said two or more criteria based on the user's personal investment
26 preferences;

27 wherein said processor determines a rating for each asset
28 based on the relative weights assigned to said two or more criteria;

29 wherein said processor ranks plurality of said assets based
30 on said rating;

31 wherein said processor receives a request to execute a trade
32 for one or more of the ranked assets in order to fulfill said target asset allocation
33 investment plan; and
34 wherein said processor executes said trade for one or more
35 of the selected ranked assets.

1 49. A system for rating assets, comprising:
2 means for electronically receiving a request to rate a
3 plurality of said assets;
4 means for electronically providing two or more criteria
5 associated with said assets for a user to evaluate;
6 means for electronically receiving a relative weight of
7 importance for said two or more criteria based on the user's personal investment
8 preferences; and
9 means for electronically determining a rating for each asset
10 based on the relative weights assigned to said two or more criteria.

1 50. A system for rating assets, comprising:
2 means for electronically transmitting a request to rate a
3 plurality of said assets;
4 means for electronically receiving two or more criteria
5 associated with said assets for evaluation;

6 means for electronically transmitting a relative weight of
7 importance for said two or more criteria based on personal investment
8 preferences; and

9 means for electronically receiving a rating for each asset
10 based on the relative weights assigned to said two or more criteria.

1 51. An investment guidance system for rating assets, comprising:
2 means for receiving a request to rate a plurality of said
3 assets;

4 means for providing two or more criteria associated with
5 said assets for a user to evaluate;
6 means for receiving a relative weight of importance for said
7 two or more criteria based on the user's personal investment preferences; and
8 means for determining a rating for each asset based on the
9 relative weights assigned to said two or more criteria.

1 52. The system of claim 51, further comprising means for ranking plurality of
2 said assets based on said rating.

1 53. The system of claim 52, further comprising means for providing a list of
2 the ranked assets.

1 54. The system of claim 51, wherein said criteria are measured by one or more
2 statistical parameters.

1 55. The system of claim 51, further comprising:

2 means for receiving a request to execute a trade for one or
3 more of the ranked assets; and
4 means for executing said trade for one or more of the
5 ranked assets.

1 56. The system of claim 51, wherein said assets are mutual funds.
1 57. The system of claim 51, wherein said assets are stocks.
1 58. The system of claim 51, wherein said assets are bonds.
1 59. The system of claim 51, wherein said assets are securities.
1 60. The system of claim 51, wherein said assets are categorized by a class.
1 61. The system of claim 51, wherein said asset class is at least one of U.S.
2 equities, international equities, fixed income, or any sub-asset class thereof, real estate, precious
3 metals and cash.
1 62. The system of claim 51, wherein one of said criteria is tax efficiency.
1 63. The system of claim 51, wherein one of said criteria is consistent returns.
1 64. The system of claim 51, wherein one of said criteria is stock/bond picking
2 ability.
1 65. The system of claim 51, wherein one of said criteria is low risk.
1 66. The system of claim 51, wherein one of said criteria is consistent
2 investment style.
1 67. The system of claim 51, wherein one of said criteria is low fees.

1 68. The system of claim 51, further comprising providing an input mechanism
2 for receiving the relative weight of importance for said asset criteria.

1 69. The system of claim 68, wherein one or more of the input mechanisms are
2 slider bars.

1 70. The system of claim 68, wherein one or more of the input mechanisms are
2 text boxes.

1 71. An investment guidance system for rating assets, comprising:
2 means for transmitting a request to rate a plurality of said

3 assets;

4 means for receiving two or more criteria associated with
5 said assets for evaluation;

6 means for transmitting a relative weight of importance for
7 said two or more criteria based on personal investment preferences; and

8 means for receiving a rating for each asset based on the
9 relative weights assigned to said two or more criteria.

1 72. The system of claim 71, further comprising means for receiving a ranking
2 of the plurality of said assets based on said rating.

1 73. The system of claim 72, further comprising means for transmitting a
2 request to execute a trade for one or more of the ranked assets.

1 74. The system of claim 71, further comprising using an input mechanism for
2 transmitting the relative weight of importance for said asset criteria.

1 75. The system of claim 74, wherein one or more of the input mechanisms are
2 graphical input devices.

1 76. The system of claim 71, wherein said assets are mutual funds.

1 77. The system of claim 71, wherein said assets are securities.

1 78. An investment guidance system for providing financial planning
2 assistance, comprising:

3 means for receiving a financial goal from a user;

4 means for receiving one or more input decisions upon

5 which the probability of achieving said financial goal is dependent, wherein one

6 of the input decisions includes selecting an asset allocation based on investment

7 risk;

8 means for determining the probability of achieving said
9 financial goal;

10 means for receiving an indication that said user has selected
11 a target asset allocation investment plan in order to achieve said financial goal;

12 means for receiving a request to rate a plurality of assets
13 within a selected asset class;

14 means for providing two or more criteria associated with
15 said assets for said user to evaluate;

16 means for receiving a relative weight of importance for said
17 two or more criteria based on the user's personal investment preferences;

18 means for determining a rating for each asset based on the
19 relative weights assigned to said two or more criteria;
20 means for ranking plurality of said assets based on said
21 rating;
22 means for receiving a request to execute a trade for one or
23 more of the ranked assets in order to fulfill said target asset allocation investment
24 plan; and
25 means for executing said trade for one or more of the
26 selected ranked assets.

1 79. The system of claim 78, further comprising means for reallocating asset
2 distribution in a user's portfolio based on executed trades.

1 80. The system of claim 78, further comprising means for receiving additional
2 requests to execute said trade for one of the ranked assets in order to fulfill said target asset
3 allocation investment plan.

1 81. The system of claim 78, further comprising:
2 means for evaluating said target asset allocation investment
3 plan against one or more financial goals;
4 means for alerting the user if progress towards one or more
5 financial goals deviates substantially .

1 82. The system of claim 78, wherein said financial goal is a retirement income
2 goal.

1 83. The system of claim 78, wherein one of said input decisions upon which
2 the probability of achieving said financial goal is dependent is a 401(k) contribution rate.

1 84. The system of claim 78, wherein one of said input decisions upon which
2 the probability of achieving said financial goal is dependent is a taxable savings rate.

1 85. The system of claim 78, wherein one of said input decisions upon which
2 the probability of achieving said financial goal is dependent is the income required at retirement.

1 86. The system of claim 78, wherein one of said input decisions upon which
2 the probability of achieving said financial goal is dependent is an anticipated retirement age.

1 87. An investment guidance system for rating assets, comprising:

2 means for receiving a request to rate a plurality of said

3 assets;

4 means for providing two or more criteria associated with

5 said assets for a user to evaluate;

6 means for receiving a relative weight of importance for said

7 two or more criteria based on the user's personal investment preferences;

8 means for determining a rating for each asset based on the

9 relative weights assigned to said two or more criteria;

10 means for ranking plurality of said assets based on said

11 rating;

12 means for receiving a request to execute a trade for one or

13 more of the ranked assets; and

14 means for executing said trade for one or more of the
15 ranked assets.

1 88. An investment guidance system for rating assets, comprising:
2 a storage device storing a program;
3 a processor in communication with the storage device, the
4 processor operative with the program to:
5 receive a request to rate a plurality of said assets;
6 provide two or more criteria associated with said assets for
7 a user to evaluate;
8 receive a relative weight of importance for said two or
9 more criteria based on the user's personal investment preferences; and
10 determine a rating for each asset based on the relative
11 weights assigned to said two or more criteria.

1 89. An investment guidance system for rating assets, comprising:
2 a storage device storing a program;
3 a processor in communication with the storage device, the
4 processor operative with the program to:
5 transmit a request to rate a plurality of said assets;
6 receive two or more criteria associated with said assets for
7 evaluation;
8 transmit a relative weight of importance for said two or
9 more criteria based on personal investment preferences; and

10 receive a rating for each asset based on the relative weights
11 assigned to said two or more criteria.

1 90. An investment guidance system for providing financial planning
2 assistance, comprising:
3 a storage device storing a program;
4 a processor in communication with the storage device, the
5 processor operative with the program to:
6 receive a financial goal from a user;
7 receive one or more input decisions upon which the
8 probability of achieving said financial goal is dependent, wherein one of the input
9 decisions includes selecting an asset allocation based on investment risk;
10 determine the probability of achieving said financial goal;
11 receive an indication that said user has selected a target
12 asset allocation investment plan in order to achieve said financial goal;
13 receive a request to rate a plurality of assets within a
14 selected asset class;
15 provide two or more criteria associated with said assets for
16 said user to evaluate;
17 receive a relative weight of importance for said two or
18 more criteria based on the user's personal investment preferences;
19 determine a rating for each asset based on the relative
20 weights assigned to said two or more criteria;

21 rank plurality of said assets based on said rating;
22 receive a request to execute a trade for one or more of the
23 ranked assets in order to fulfill said target asset allocation investment plan; and
24 execute said trade for one or more of the selected ranked
25 assets.

1 91. An investment guidance system for rating assets, comprising:
2 a storage device storing a program;
3 a processor in communication with the storage device, the
4 processor operative with the program to:
5 receive a request to rate a plurality of said assets;
6 provide two or more criteria associated with said assets for
7 a user to evaluate;
8 receive a relative weight of importance for said two or
9 more criteria based on the user's personal investment preferences;
10 determine a rating for each asset based on the relative
11 weights assigned to said two or more criteria;
12 rank plurality of said assets based on said rating;
13 receive a request to execute a trade for one or more of the
14 ranked assets; and
15 execute said trade for one or more of the selected ranked
16 assets.

1 92. A computer readable medium having computer executable software code
2 stored thereon, the code for rating assets, comprising:
3 code to receive a request to rate a plurality of said assets;
4 code to provide two or more criteria associated with said
5 assets for a user to evaluate;
6 code to receive a relative weight of importance for said two
7 or more criteria based on the user's personal investment preferences; and
8 code to determine a rating for each asset based on the
9 relative weights assigned to said two or more criteria.

1 93. A computer readable medium having computer executable software code
2 stored thereon, the code for rating assets, comprising:
3 code to receive a financial goal from a user;
4 code to receive one or more input decisions upon which the
5 probability of achieving said financial goal is dependent, wherein one of the input
6 decisions includes selecting an asset allocation based on investment risk;
7 code to determine the probability of achieving said
8 financial goal;
9 code to receive an indication that said user has selected a
10 target asset allocation investment plan in order to achieve said financial goal;
11 code to receive a request to rate a plurality of assets within
12 a selected asset class;

13 code to provide two or more criteria associated with said
14 assets for said user to evaluate;
15 code to receive a relative weight of importance for said two
16 or more criteria based on the user's personal investment preferences;
17 code to determine a rating for each asset based on the
18 relative weights assigned to said two or more criteria;
19 code to rank plurality of said assets based on said rating;
20 code to receive a request to execute a trade for one or more
21 of the ranked assets in order to fulfill said target asset allocation investment plan;
22 and
23 code to execute said trade for one or more of the selected
24 ranked assets.

1 94. A computer readable medium having computer executable software code
2 stored thereon, the code for rating assets, comprising:
3 code to receive a request to rate a plurality of said assets;
4 code to provide two or more criteria associated with said
5 assets for a user to evaluate;
6 code to receive a relative weight of importance for said two
7 or more criteria based on the user's personal investment preferences;
8 code to determine a rating for each asset based on the
9 relative weights assigned to said two or more criteria;
10 code to rank plurality of said assets based on said rating;

11 code to receive a request to execute a trade for one or more
12 of the ranked assets; and
13 code to execute said trade for one or more of the selected
14 ranked assets.

1 95. An article of manufacture for causing a computer to rate assets,

2 comprising:

3 means for causing a computer to receive a request to rate a
4 plurality of said assets;

5 means for causing a computer to provide two or more

6 criteria associated with said assets for a user to evaluate;

7 means for causing a computer to receive a relative weight

8 of importance for said two or more criteria based on the user's personal
9 investment preferences; and

10 means for causing a computer to determine a rating for

11 each asset based on the relative weights assigned to said two or more criteria.

1 96. An article of manufacture for causing a computer to rate assets,

2 comprising:

3 means for causing a computer to receive a financial goal

4 from a user;

5 means for causing a computer to receive one or more input

6 decisions upon which the probability of achieving said financial goal is

7 dependent, wherein one of the input decisions includes selecting an asset
8 allocation based on investment risk;
9 means for causing a computer to determine the probability
10 of achieving said financial goal;
11 means for causing a computer to receive an indication that
12 said user has selected a target asset allocation investment plan in order to achieve
13 said financial goal;
14 means for causing a computer to receive a request to rate a
15 plurality of assets within a selected asset class;
16 means for causing a computer to provide two or more
17 criteria associated with said assets for said user to evaluate;
18 means for causing a computer to receive a relative weight
19 of importance for said two or more criteria based on the user's personal
20 investment preferences;
21 means for causing a computer to determine a rating for
22 each asset based on the relative weights assigned to said two or more criteria;
23 means for causing a computer to rank plurality of said
24 assets based on said rating;
25 means for causing a computer to receive a request to
26 execute a trade for one or more of the ranked assets in order to fulfill said target
27 asset allocation investment plan; and
28 means for causing a computer to execute said trade for one
29 or more of the selected ranked assets.

1 97. A computer readable medium having computer executable software code
2 stored thereon, the code for rating assets, comprising:
3 means for causing a computer to receive a request to rate a
4 plurality of said assets;
5 means for causing a computer to provide two or more
6 criteria associated with said assets for a user to evaluate;
7 means for causing a computer to receive a relative weight
8 of importance for said two or more criteria based on the user's personal
9 investment preferences;
10 means for causing a computer to determine a rating for
11 each asset based on the relative weights assigned to said two or more criteria;
12 means for causing a computer to rank plurality of said
13 assets based on said rating;
14 means for causing a computer to receive a request to
15 execute a trade for one or more of the ranked assets; and
16 means for causing a computer to execute said trade for one
17 or more of the selected ranked assets.

1 98. In an investment guidance system, a method for rating data, comprising:
2 receiving a request to rate a plurality of said data;
3 providing two or more criteria associated with said data for
4 a user to evaluate;

5 receiving a relative weight of importance for said two or
6 more criteria based on the user's personal preferences; and
7 determining a rating for each data based on the relative
8 weights assigned to said two or more criteria.

1 99. The method of claim 98, further comprising ranking plurality of said data
2 based on said rating.

1 100. The method of claim 98, further comprising providing a list of the ranked
2 data.

1 101. The method of claim 98, further comprising receiving a request to
2 purchase one or more of the ranked data.

1 102. The method of claim 98, wherein data includes at least one of wine,
2 vacation spots, airline carriers, hotel chains and diamonds.

1 103. A system for rating data for Internet users, said system comprising:
2 a memory for storing said data information;
3 a processor connected to said memory;
4 a transmitter connected to said processor to enable
5 processor to transmit information to a user system by means of the Internet; and
6 a receiver connected to said processor to allow said
7 processor to receive information from a user system by means of the Internet;
8 wherein said processor receives a request to rate a plurality
9 of said data;

10 wherein said processor transmits two or more criteria
11 associated with said data for a user to evaluate;
12 wherein said processor receives in connection with user
13 processors, a relative weight of importance for said two or more criteria based on
14 the user's personal preferences; and
15 wherein said processor determines a rating for each data
16 based on the relative weights assigned to said two or more criteria.

1 104. The system of claim 103, wherein said processor ranks a plurality of said
2 data based on said rating.

1 105. The system of claim 103, wherein said processor provides a list of the
2 ranked data.

1 106. In an investment guidance system, a method of determining a probability
2 of achieving a financial goal, said method comprising:
3 receiving said financial goal from a user;
4 receiving one or more input decisions upon which the
5 probability of achieving said financial goal is dependent; and
6 determining the probability of achieving said financial goal
7 by utilizing a parametric lognormal model.

1 107. The method of claim 106, wherein said parametric lognormal model
2 incorporates a total time horizon, which is the sum of independently calculated time weighted
3 horizons for a period of cash inflows and a period of cash outflows.

1 108. The method of claim 107, wherein said time weighted horizon of the cash
 2 inflows is calculated using the following modified duration formula:

3 Time Weighted Horizon (Inflows) = $\sum_{t=1}^n \frac{t \times PVCF_t}{k \times PVTDF} \div (1 + Yield / k)$

4 where,

5 k is the number of cash flows per year;

6 n is the number of periods;

7 t is the period in which the cash flow is expected to be received;

8 PVCF_t is the present value of the cash flow in period t discounted at yield-to-maturity;

9 PVTDF is the total present value of the cash flow; and

10 Yield is equal to the internal rate of return used to calculate the present value of the cash

11 flows.

1 109. The method of claim 107, wherein said time weighted horizon of the cash
 2 outflows is calculated using the following modified duration formula:

3 Time Weighted Horizon (Outflows) = $\sum_{t=1}^n \frac{t \times PVCF_t}{k \times PVTDF} \times (1 + Yield / k)$

4 where,

5 k is the number of cash flows per year;

6 n is the number of periods;

7 t is the period in which the cash flow is expected to be received;

8 PVCF_t is the present value of the cash flow in period t discounted at yield-to-maturity;

9 PVTDF is the total present value of the cash flow; and

10 Yield is equal to the internal rate of return used to calculate the present value of the cash
11 flows.

1 110. The method of claim 106, wherein the financial goal is a retirement
2 income goal.

1 111. The method of claim 107, wherein the total time horizon for a retirement
2 income goal is the sum of the independently calculated time horizons for a pre-retirement
3 savings period and a post-retirement spending period.

1 112. The method of claim 106, wherein the total time horizon is used to
2 calculate a Z-score, which in turn is used to calculate said probability of meeting the retirement
3 goal.